

ABSTRACT

A cylinder body **2** is sandwiched between a front head **7** and a rear head **8** and a high pressure port **10** is formed in the front head **7**. A roller **3** of a piston **5** is configured such that top and bottom end surfaces thereof have different widths. The roller **3** is
5 arranged such that one of the end surfaces having a larger width faces the front head **7**.